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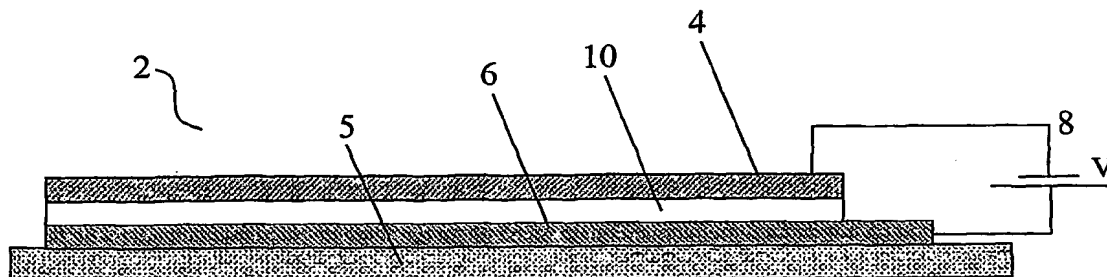
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(54) Title: ELECTROLUMINESCENT DEVICE



(57) Abstract: The invention relates to a matrix of electroluminescent organic material having quantum dots embedded therein. Electrodes provide electrons and holes to the matrix forming excitons to be transferred to the quantum dots. The invention provides transfer molecules on the quantum dots facilitating the transfer of excitons from the electroluminescent organic material to the quantum dots, by first transferring them to the transfer molecules. The transfer molecules are chosen to make a transfer rate of excitons from the organic material to the transfer molecules larger than a decay rate of excitons in the organic material. More specifically, the organic matrix forms a light emitting layer in a light emitting device (LED). Also, the electroluminescent organic material is preferably an electroluminescent polymer.



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